

## **Senior / Staff Engineer. Circuit Design**

### **Job Description:**

- Develop analog / mixed-signal hard macros using proprietary CAD flows
- Create design specifications.
- Set-up, run and analyse circuit simulations
- Perform IC mixed signal verification
- Review IC layout (DRC / LVS)
- Recommend necessary quality assurance procedures for products.
- Lead in engineering requirements discussions
- Lead in cross functional discussions, for example FAR, with quality, test and application engineers

### **Qualifications:**

- Bachelor / Master / Ph.D in Engineering

### **Experience / Knowledge:**

- More than 8 years' experience in mixed-signal IC design, with emphasis on Analog design
- Experienced in entire Analog / mixed-signal IC development cycle including concept, design, simulation, layout, qualification, testing and production support
- Experience with transistor level design, block level integration, and block level simulation
- Knowledge of bandgap references, biasing circuits, feedback compensation techniques, oscillators, ADC and DAC
- Experience in temperature sensor design
- Experience in ACDC mixed-signal and modelling is a plus
- Experience in 0.13-0.5um BICMOS process technology design and understand its design considerations
- Good understanding of design rules, verification procedures (DRC / LVS / ERC) and ESD designs
- Experience with Cadence simulation tools required to simulate Analog / mixed-signal circuits
- Experience in developing and meeting engineering schedules
- Strong analytical skills
- Strong organizational, interpersonal, written and verbal skills
- Good documentation and follow up skills
- Hands on engineering
- Team oriented
- Design lead experience is a plus